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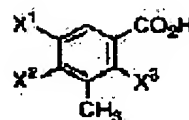
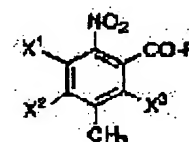
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(54) (2,3,5-TRIHALOGENO-4-METHYL)NITROBENZENE DERIVATIVE

(57)Abstract:

PURPOSE: To obtain the subject derivative, having a structure in which nitro and methyl groups are simultaneously present at the p-positions and useful as a synthetic intermediate for an antimicrobial gent.

CONSTITUTION: This derivative of formula I [R is OH, Cl, CH(CO₂R)₂, CH₂CO₂ R₁ or C(=C-R₂)CO₂R₁ (R₁ is a lower alkyl; R₂ is a lower alkoxy or cyclopropylamino); X₁ to X₃ are each a halogen], e.g. 2,4,5-trifluoro-3-methyl-6-nitrobenzoic acid. Furthermore, the objective derivative is preferably obtained by nitration, etc., of a 2,4,5-trihalogeno-3-methylbenzoic acid, etc., of formula II with a nitrating agent such as nitric acid in a solvent such as sulfuric acid under conditions of cooling with ice to heating and refluxing with a solvent.



II

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